Permit to Operate

FACILITY: C-283 EXPIRATION DATE 08/31/200

LEGAL OWNER OR OPERATOR: CHEMICAL WASTE MANAGEMENT, INC

MAILING ADDRESS: P O BOX 471

KETTLEMAN CITY, CA 93239-0471

FACILITY LOCATION: 35251 OLD SKYLINE ROAD

KETTLEMAN CITY, CA 93239

FACILITY DESCRIPTION: WASTE DISPOSAL

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-0-1 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

- The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.
 [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)],
 [Federally Enforceable Through Title V]
- 2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
- 3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
- 4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020], [Federally Enforceable Through Title V]
- 5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
- 6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
- 7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
- 8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1], [Federally Enforceable Through Title V]
- 9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
- 11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with Section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0], [Federally Enforceable Through Title V]

- 12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7], [Federally Enforceable Through Title V]
- 13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2], [Federally Enforceable Through Title V]
- 14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3], [Federally Enforceable Through Title V]
- 15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4], [Federally Enforceable Through Title V]
- 16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5], [Federally Enforceable Through Title V]
- 17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9], [Federally Enforceable Through Title V]
- 18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1], [Federally Enforceable Through Title V]
- 19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2], [Federally Enforceable Through Title V]
- 20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3], [Federally Enforceable Through Title V]
- 21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4], [Federally Enforceable Through Title V]
- 22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (11/15/01), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
- 23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
- 24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
- 25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (10/31/01). [District Rule 4601, 6.1 and 6.3], [Federally Enforceable Through Title V]
- 26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0], [Federally Enforceable Through Title V]
- 27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
- 28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B, [40 CFR 82, Subpart B], [Federally Enforceable Through Title V]
- 29. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021(11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011], [Federally Enforceable Through Title V]

- 30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011], [Federally Enforceable Through Title V]
- 31. An owner/operator shall prevent or cleanup any carryout and trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01) [District Rule 8041 and 8011], [Federally Enforceable Through Title V]
- 32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011], [Federally Enforceable Through Title V]
- 33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and 8011], [Federally Enforceable Through Title V]
- 34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and 8011], [Federally Enforceable Through Title V]
- 35. Any unpaved vehicle/equipment traffic area of 1.0 acre or larger shall comply with the requirements of District Rule 8071, unless specifically exempted under Section 4.0 of Rule 8071 (11/15/01) or Rule 8011 (11/15/01) [District Rule 8071 and 8011], [Federally Enforceable Through Title V]
- 36. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
- 37. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16], [Federally Enforceable Through Title V]
- 38. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
- 39. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
- 40. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
- 41. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92);2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (10/31/01); 8021 (11/15/01); 8061 (11/15/01); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
- 42. An owner or operator of a facility at which the total annual benzene quantity from facility waste is less than 10 megagrams per year (Mg/yr) shall be exempt from the requirements of 40 CFR 61.342(b) and (c). The total annual benzene quantity from facility waste is the sum of the annual benzene quantity for each waste stream at the facility that has a flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has an annual average water content greater than 10 percent. [40 CFR 61.342(a)], [Federally Enforceable Through Title V]
- 43. Exemption to 40 CFR 61.342 will be determined by review of facility records and results from tests and inspections using methods and procedures specified in 40 CFR 61.355. [40 CFR 61.342(g)], [Federally Enforceable Through Title V]
- 44. Facility records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. [40 CFR 61.356], [Federally Enforceable Through Title V]
- 45. Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the requirements of 40 CFR 61 Subpart FF. [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
- 46. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

- 47. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
- 48. On December 31, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title VI

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-1-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

175 HP ALLISON/DETROIT MODEL P12V71 IC ENGINE, DIESEL-FIRED, USED TO POWER MUD PUMP FOR DRILLING OPERATIONS.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 130 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-2-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

175 HP ALLISON/DETROIT MODEL PTA 11162 IC ENGINE, DIESEL-FIRED, USED TO POWER MUD PUMP FOR DRILLING OPERATIONS.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 130 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-3-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

TRANSPORTABLE 125 HP CATERPILLAR MODEL 3304B DI DIESEL-FIRED IC ENGINE, POWERING A PORTABLE WATER PUMP (CWP-2)

- 1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kings County Rule 407], [Federally Enforceable Through Title V]
- 2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201], [Federally Enforceable Through Title V]
- 3. Unit shall be fired only on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight. The operator shall maintain copies of all fuel invoices and supplier certifications. [Kings County Rule 407 and District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 4. The permittee shall observe the engine exhaust stack quarterly (after 15 minutes for warm-up) for visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If visible emissions are observed from the exhaust stack, the permittee shall perform an EPA Method 9 visible emissions test within 3 days. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 5. If visible emissions are above 10 percent but equal to or less than 20 percent, conduct a source test for particulate matter and Method 9 visible emissions simultaneously within 365 days and use visible emissions results in conjunction with particulate matter source test results to establish a maximum visible emissions level corresponding to compliance with the grain loading limit. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 6. If visible emissions are above the established maximum visible emission level corresponding to compliance with the grain loading limit, corrective action is required within 24 hours and report the visible emissions as a potential deviation. If the visible emission level is still above the maximum established level the facility must: 1) Conduct a source test within 180 days; and 2) Perform Method 9 visible emission test on a monthly basis and report any deviation from the maximum established visible emission level as a potential deviation. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 7. The permittee shall maintain the following records with regards to quarterly visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed visible emissions, 6) date and time visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 8. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 9. Emissions of NOx from this engine shall not exceed 106 pounds per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 10. The permittee shall maintain records of date, hours, and location of operation. [District Rule 4701, 6.1 and 6.5], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-4-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

87 HP CATERPILLAR MODEL 9130 IC ENGINE, DIESEL-FIRED, USED TO POWER HYDRAULIC SYSTEM ON DRILL RIG.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 366 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-5-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

250 HP CATERPILLAR MODEL 3208 IC ENGINE, DIESEL-FIRED, USED TO POWER HYDRAULIC SYSTEM FOR DRILLING OPERATIONS.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 185 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-6-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

450 HP ALLISON/DETROIT MODEL P12V71 IC ENGINE, DIESEL-FIRED, USED TO POWER AIR COMPRESSOR FOR DRILLING OPERATIONS.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 330 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-7-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

143 HP CATERPILLAR MODEL 3304 DI IC ENGINE, DIESEL-FIRED, S/N 83Z01773, USED TO DRIVE A PORTBLE 100 KW GENERATOR DESIGNATED AS C.GEN-21.

- 1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
- 2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 4. Permittee shall maintain records of fuel consumption and operating hours. Records shall be retained for a minimum of two years and made available to the District upon request. []
- 5. Emissions of NOx from this engine shall not exceed 106 pounds per day. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-8-3 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

306 HP CATERPILLAR MODEL 3306 DI DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (GEN-2)

- 1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kings County Rule 407], [Federally Enforceable Through Title V]
- 2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201], [Federally Enforceable Through Title V]
- 3. Unit shall be fired only on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight. The operator shall maintain copies of all fuel invoices and supplier certifications. [Kings County Rule 407 and District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 4. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 5. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 6. Emissions shall not exceed 10.4 g-NOx/hp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
- 7. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 200 hours per year. [District Rules 4701 and NSR], [Federally Enforceable Through Title V]
- 8. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the number of hours of operation, the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.), and the sulfur content of the diesel fuel used. Such records shall be readily available to District staff upon request. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-9-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

TRANSPORTABLE 192 HP CATERPILLAR MODEL 3304 DI DIESEL-FIRED IC ENGINE, POWERING A PORTABLE GENERATOR (C.GEN-3)

- 1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kings County Rule 407], [Federally Enforceable Through Title V]
- 2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201], [Federally Enforceable Through Title V]
- 3. Unit shall be fired only on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight. The operator shall maintain copies of all fuel invoices and supplier certifications. [Kings County Rule 407 and District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 4. The permittee shall observe the engine exhaust stack quarterly (after 15 minutes for warm-up) for visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If visible emissions are observed from the exhaust stack, the permittee shall perform an EPA Method 9 visible emissions test within 3 days. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 5. If visible emissions are above 10 percent but equal to or less than 20 percent, conduct a source test for particulate matter and Method 9 visible emissions simultaneously within 365 days and use visible emissions results in conjunction with particulate matter source test results to establish a maximum visible emissions level corresponding to compliance with the grain loading limit. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 6. If visible emissions are above the established maximum visible emission level corresponding to compliance with the grain loading limit, corrective action is required within 24 hours and report the visible emissions as a potential deviation. If the visible emission level is still above the maximum established level the facility must: 1) Conduct a source test within 180 days; and 2) Perform Method 9 visible emission test on a monthly basis and report any deviation from the maximum established visible emission level as a potential deviation. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 7. The permittee shall maintain the following records with regards to quarterly visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed visible emissions, 6) date and time visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 8. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 9. Emissions of NOx from this engine shall not exceed 142 pounds per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 10. The permittee shall maintain records of date, hours, and location of operation. [District Rule 4701, 6.1 and 6.5], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-10-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

TRANSPORTABLE 73.5 HP DEUTZ MODEL F4L912 DIESEL-FIRED IC ENGINE, POWERING A PORTABLE AIR COMPRESSOR (PAC-4)

- 1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kings County Rule 407], [Federally Enforceable Through Title V]
- 2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201], [Federally Enforceable Through Title V]
- 3. Unit shall be fired only on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight. The operator shall maintain copies of all fuel invoices and supplier certifications. [Kings County Rule 407 and District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 4. The permittee shall observe the engine exhaust stack quarterly (after 15 minutes for warm-up) for visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If visible emissions are observed from the exhaust stack, the permittee shall perform an EPA Method 9 visible emissions test within 3 days. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 5. If visible emissions are above 10 percent but equal to or less than 20 percent, conduct a source test for particulate matter and Method 9 visible emissions simultaneously within 365 days and use visible emissions results in conjunction with particulate matter source test results to establish a maximum visible emissions level corresponding to compliance with the grain loading limit. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 6. If visible emissions are above the established maximum visible emission level corresponding to compliance with the grain loading limit, corrective action is required within 24 hours and report the visible emissions as a potential deviation. If the visible emission level is still above the maximum established level the facility must: 1) Conduct a source test within 180 days; and 2) Perform Method 9 visible emission test on a monthly basis and report any deviation from the maximum established visible emission level as a potential deviation. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 7. The permittee shall maintain the following records with regards to quarterly visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed visible emissions, 6) date and time visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 8. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 9. Emissions of NOx from this engine shall not exceed 28 pounds per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 10. The permittee shall maintain records of date, hours, and location of operation. [District Rule 4701, 6.1 and 6.5], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-11-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

HAZARDOUS WASTE LANDFILL (B-18), 9.7 MILLION CUBIC YARD CAPACITY, USED FOR DISPOSAL OF BULK SOLIDS OF EMPTY CONTAINERS, SOLIDS, AND CONTAMINATED SOIL, (55.2 ACRE)

- 1. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule], [Federally Enforceable Through Title V]
- 2. The District shall be notified in writing 10 days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 3. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 4. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District NSR Rule], [Federally Enforceable Through Title V]
- 5. Vehicle speeds on all roads shall be limited to fifteen miles per hour. [District NSR Rule], [Federally Enforceable Through Title V]
- 6. Materials handling operations associated with landfill construction and operation shall be curtailed when wind and moisture conditions make it likely that any resulting visible emissions will exceed 40% opacity at an elevation of 25 feet. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-12-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

36,000 GALLON BATCH-TYPE WASTE CYANIDE TREATMENT SYSTEM WITH TWO 18,000 GAL MIXING TANKS, TWO RECYCLE PUMPS, AND ONE UNLOADING PUMP, SERVED BY ONE 55 GAL DRUM OF SODIUM HYPO... *** PTO DELETED PER 10/8/96 LTR, DW ***

- 1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule]
- 2. The pH in the mixing vessel shall be monitored and maintained at 10.0 or above. []

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-13-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

48,000 GALLON HAZARDOUS WASTE DECANTING FACILITY WITH THREE 13,000 GALLON ALTERNATIVE FUEL STORAGE TANKS, ONE 9,000 GALLON AQUEOUS ORGANIC STORAGE TANK (10%), AND TWO 2,400 CF SOLIDS SILOS SERVED BY MODEL 16PJ8 PULSE JET BIN VENT FILTER IN PARALLEL.

- 1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
- 2. Permittee shall maintain annual inventories of the quantities of aqueous and organic wastes decanted, and alternative fuel and aqueous liquid produced. Records shall be retained for at least two years and made available to the District upon request. [District Rule 1070]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-14-2 **EXPIRATION DATE**: 08/31/2007

EQUIPMENT DECRIPTION:

4,400,000 GALLON EVAPORATION POND (P-9) FOR AQUEOUS WASTES

- 1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream.

 [40 CFR 63.683(b)(1)(iiii)], [Federally Enforceable Through Title V]
- 2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices.

 [40 CFR 63.694(b)(3)(i)], [Federally Enforceable Through Title V]
- 3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)], [Federally Enforceable Through Title V]
- 4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)], [Federally Enforceable Through Title V]
- 5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)], [Federally Enforceable Through Title V]
- 6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule], [Federally Enforceable Through Title V]
- 7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-15-2 **EXPIRATION DATE**: 08/31/2007

EQUIPMENT DECRIPTION:

2,100,000 GALLON EVAPORATION POND (P-14) FOR AQUEOUS WASTES

- 1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)], [Federally Enforceable Through Title V]
- 2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices.

 [40 CFR 63.694(b)(3)(i)], [Federally Enforceable Through Title V]
- 3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)], [Federally Enforceable Through Title V]
- 4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)], [Federally Enforceable Through Title V]
- 5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)], [Federally Enforceable Through Title V]
- 6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule], [Federally Enforceable Through Title V]
- 7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-16-0 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

5,200,000 GALLON EVAPORATION POND (P-15) FOR ACIDIC CORROSIVES.

- 1. The District shall be notified in writing 10 working days prior to the acceptance of new waste streams causing or potentially causing emissions of pollutants designated under the National Emission Standards for Hazardous Air Pollutants. [District Rule 4002]
- 2. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rule 4102]
- 3. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule]
- 4. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-17-2 **EXPIRATION DATE**: 08/31/2007

EQUIPMENT DECRIPTION:

3,900,000 GALLON EVAPORATION POND (P-16) FOR AQUEOUS WASTES

- 1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream.

 [40 CFR 63.683(b)(1)(iii)], [Federally Enforceable Through Title V]
- 2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices.

 [40 CFR 63.694(b)(3)(i)], [Federally Enforceable Through Title V]
- 3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)], [Federally Enforceable Through Title V]
- 4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)], [Federally Enforceable Through Title V]
- 5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)], [Federally Enforceable Through Title V]
- 6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule], [Federally Enforceable Through Title V]
- 7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-19-1 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

WASTE STABILIZATION UNIT WITH FOUR 85 CUBIC YARD PROCESSING TANKS FOR MIXING WASTE AND REAGENT AND TWO REAGENT STORAGE SILOS

- 1. This stabilization unit is exempted from the requirements of 40CFR Subpart DD because the waste material meets the specifications of 40CFR63.683(b)(2)(iv)(A). The owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(2)(iv)], [Federally Enforceable Through Title V]
- 2. Documentation shall be maintained of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)], [Federally Enforceable Through Title V]
- 3. Emissions from reagent silos shall be controlled by two Flexkleen model 84 BV-BS 16 II 6 pulse jet baghouses, S/N W33633 A & B. [District NSR Rule], [Federally Enforceable Through Title V]
- 4. Unit shall incorporate a dust control system with a Mikropulsaire model 7003-10-20-TRH "C" baghouse, S/N 890339-H1. Process air shall be supplied by a Chicago size 60 model 10B fan, driven by a 200 HP motor. [District NSR Rule], [Federally Enforceable Through Title V]
- 5. Odorous liquids or sludge shall be treated and transferred to a landfill only during daylight hours. [District NSR Rule], [Federally Enforceable Through Title V]
- 6. Permittee shall maintain records of the materials processed at the waste stabilization site. [District NSR Rule], [Federally Enforceable Through Title V]
- 7. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2080], [Federally Enforceable Through Title V]
- 8. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201], [Federally Enforceable Through Title V]
- 9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation E= 3.59 x P^0.62; P is less than or equal to 30 tons per hour, or E = 17.37 x P^0.16; P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]
- 10. Permittee shall perform a complete inspection of the baghouse and its components on an annual basis. Filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 11. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-20-1 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

10,000 GALLON UNDERGROUND STORAGE TANK SERVED BY COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-34) WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-17)

- 1. The vapor recovery systems and their components shall be operated and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622], [Federally Enforceable Through Title V]
- 2. The permittee shall perform and pass a Dynamic Back Pressure Test using BAAQMD Method ST-27 at least once every five years. [District Rule 4622], [Federally Enforceable Through Title V]
- 3. The permittee shall perform and pass a Static Pressure Decay Test using BAAQMD Method ST-30 at least once every five years. [District Rule 4622], [Federally Enforceable Through Title V]
- 4. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081], [Federally Enforceable Through Title V]
- 5. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
- 6. Each gasoline storage tank shall be equipped with a permanent submerged fill pipe. [District Rule 4621, 5.1.1], [Federally Enforceable Through Title V]
- 7. Each storage tank subject to this permit shall be equipped with an ARB certified Phase I vapor recovery system, which shall prevent at least 95% by weight of all gasoline vapors displaced during the filling of storage tanks from entering the atmosphere. The transfer of gasoline from any delivery vessel to any stationary storage container with 250 gallon capacity or more shall not be allowed unless the container is equipped with an ARB certified Phase 1 system and maintained and operated according to manufacturers specifications. [District Rule 4621, 3.1 and 5.1.1], [Federally Enforceable Through Title V]
- 8. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621, 5.2.1], [Federally Enforceable Through Title V]
- 9. Each dispensing system shall be equipped with an ARB certified Phase II vapor recovery system which shall prevent at least 95% by weight of all gasoline vapors displaced during refueling of vehicles from entering the atmosphere. [District Rule 4622, 5.1], [Federally Enforceable Through Title V]
- 10. Compliance with the requirement of the Phase II system to be 95% effective for displaced vapors is considered to be demonstrated by passing performance tests, at least once every five years from the date of the most recent test, or at more frequent intervals, as specified by the ARB Executive Order certifying the system. Facilities that have not been performance tested previously, using the following applicable methods, shall be tested in accordance with BAAQMD Source Test Procedures ST-27 (Dynamic Back Pressure), and ST-30 (Static Leak Test Procedure Underground Tanks) no later than: December 31, 1997 (facilities with 2 nozzles), and December 31, 1998 (facilities with 1 nozzle). [District Rules 2520, 9.3.2 and 4622, 5.2, 6.2. 6.3], [Federally Enforceable Through Title V]
- 11. Each ARB certified vapor recovery system shall be tested within 60 days of major modification or installation, except as otherwise allowed by this permit. For this condition, a major modification is considered to be replacing, repairing, or upgrading 75% or more of the certified system. [District Rule 4622, 6.2.2], [Federally Enforceable Through Title V]
- 12. The ARB certified vapor recovery system and all of its components shall be maintained in good repair. Any ARB certified gasoline vapor recovery system, which has been installed and has been issued a permit to operate, shall not be removed regardless of the amount of gasoline dispensed or how the gasoline is delivered to the facility. [District Rule 4622, 5.3], [Federally Enforceable Through Title V]
- 13. No gasoline shall be transferred into vehicle fuel tanks if the vapor recovery system contains any defect listed in Section 94006 of Title 17 of the California Code of Regulations or in Section 5.4 of SJVUAPCD Rule 4622 (as amended February 17, 1994) until the defect has been repaired, replaced, or adjusted as necessary to correct the defect, and the District has reinspected the system or has authorized its use pending reinspection. [District Rule 4622, 5.4], [Federally Enforceable Through Title V]

- 14. Any defects identified shall be tagged "Out of Order"; the tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defect has been repaired, replaced or adjusted. In the case of defects identified by the District, tagged equipment shall be rendered inoperable and the tag shall not be removed until the District has been notified of the repairs, and/or the District has inspected and authorized the tagged equipment for use. A log containing at least the following shall be maintained: date and type of defect identified and date repaired, replaced or corrected. [District Rules 2520, 9.4.2 and 4622, 5.5], [Federally Enforceable Through Title V]
- 15. Vapor recovery systems and gasoline dispensing equipment shall be maintained leak-free as verified using EPA Test Method 21 and visual inspection. Leak testing shall be performed at least once every five years and within 60 days of all major modifications. For this condition, a major modification is considered to be replacing, repairing, or upgrading 75% or more of the certified system. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21. [District Rules 2520, 9.3.2 and 4622, 3.6, 5.6], [Federally Enforceable Through Title V]
- 16. Each operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 17. No person shall top off a motor vehicle fuel tank. [District Rule 4622, 5.9], [Federally Enforceable Through Title V]
- 18. No owner or operator shall tamper with, or permit tampering with, the ARB certified vapor recovery system in a manner that would impair the operation or effectiveness of the system. [District Rule 4622, 5.11], [Federally Enforceable Through Title V]
- 19. Operator shall maintain all records of required monitoring data and support information for inspection for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-21-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

HAZARDOUS WASTE LANDFILL (B-16), 250,000 CUBIC YARDS CAPACITY, USED FOR DISPOSAL OF SOLIDS CONTAMINATED WITH PCB (4.7 ACRES)

- 1. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing or having the potential to cause emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants. [District NSR Rule], [Federally Enforceable Through Title V]
- 2. The District shall be notified in writing 10 days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 3. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 4. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District NSR Rule], [Federally Enforceable Through Title V]
- 5. Vehicle speeds on all roads shall be limited to fifteen miles per hour. [District NSR Rule], [Federally Enforceable Through Title V]
- 6. Materials handling operations associated with landfill construction and operation shall be curtailed when wind and moisture conditions make it likely that any resulting visible emissions will exceed 40% opacity at an elevation of 25 feet. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-22-2 **EXPIRATION DATE:** 08/31/2007

EQUIPMENT DECRIPTION:

MUNICIPAL SOLID WASTE LANDFILL, CLASS II AND III (B-19), 4.2 MILLION CUBIC YARD CAPACITY (40.4 ACRES)

- 1. The NMOC emission rate shall be calculated using the equation in 40CFR60.754(a)(1)(i), if the actual year-to-year solid waste acceptance rate is known or the equation in 40CFR60.754(a)(1)(ii), if the actual year-to-year solid waste acceptance rate is unknown. The values for k, Lo, and CNMOC for both equations shall be taken from 40CFR60.754(a)(1), as appropriate. Both equations may be used if the actual year-to-year acceptance rate is known for a part of the landfill life, but unknown for another part of the landfill life. The mass of nondegradable solid waste may be subtracted from the average annual acceptance rate when calculating R, if documentation of the nature and amount of such wastes is maintained. (Tier 1 specifications) [40 CFR 60.754(a)(1)], [Federally Enforceable Through Title V]
- 2. If the calculated NMOC emission rate is equal to or greater than 44 tons/year, then the landfill owner or operator shall either comply with the requirements of this permit to submit a collection and control design plan and install the system, or determine a site-specific NMOC concentration and recalculate the NMOC emission rate using Tier 2 specifications. [40 CFR 60.754(a)(2)(ii); District NSR Rule], [Federally Enforceable Through Title V]
- 3. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1) For sampling, at least 2 sample probes shall be installed per hectare of landfill surface that has retained waste for at least 2 years, up to a maximum of 50 required probes. One sample of landfill gas shall be collected from each probe to determine the NMOC concentration, using EPA Method 25, 25C, another method approved by the EPA, or 18, in accordance with 40 CFR 60.754(a)(3). If EPA Method 18 is used, the minimum list of compounds to be tested shall be those published in the most recent Compilation of AP-42. If composite sampling is used, equal sample volumes are required. All samples taken shall be used in the analysis. The NMOC concentration from Method 25 or 25C shall be divided by 6 to convert from C-NMOC, as carbon to as hexane. 2) For landfills equipped with active collection systems, samples may be collected from the common header pipe before gas moving or condensate removal equipment; a minimum of 3 samples must be collected. [40 CFR 60.754(a)(3) and (a)(5)], [Federally Enforceable Through Title V]
- 4. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1)The NMOC mass emission rate shall be recalculated using the average site-specific concentration, instead of the default value, 2) If the resulting calculated mass emission rate is equal to or greater than 44 tons/year, the landfill owner or operator shall either comply with 60.752(b)(2), or determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using Tier 3 specifications. [40 CFR 60.754(a)(3)(i)&(ii); District NSR Rule], [Federally Enforceable Through Title V]
- 5. If the calculated NMOC mass emission rate, using the site-specific NMOC concentration, is less than 44 tons/year, then a periodic estimate of the emission rate report, pursuant to 60.757(b)(1) shall be submitted to the Administrator. The site-specific NMOC concentration shall be retested every 5 years, using Tier 2 specifications. [40 CFR 60.754(a)(3)(iii); District NSR Rule], [Federally Enforceable Through Title V]
- 6. Tier 3 specifications to determine the site-specific methane generation rate constant shall include the following: 1) EPA Method 2E or another method approved by the EPA shall be used, 2) The NMOC mass emission rate shall be recalculated using the average site-specific NMOC concentration and the site-specific methane generation rate constant k, instead of the default values in 40 CFR 60(a)(1), and 3) If the resulting calculated NMOC mass emission rate is equal to or greater than 44 tons/year, the landfill owner or operator shall comply with 60.752(b)(2). [40 CFR 60.754(a)(4), (a)(5) and (i); District NSR Rule], [Federally Enforceable Through Title V]
- 7. If Tier 3 specifications are used to determine the site-specific methane generation rate and the calculated NMOC mass emission rate is less than 44 tons/year, then a periodic emission rate report shall be submitted to the Administrator, pursuant to 60.757(b)(1) and the NMOC concentration shall be recalculated annually, pursuant to 60.757(b)(1), using the site-specific methane generation rate constant and the NMOC concentration obtained using Tier 2 specifications. Determination of the site-specific methane generation rate constant is performed once and used in all subsequent annual NMOC emission rate calculations. [40 CFR 60.754(a)(4)(ii); District NSR Rule], [Federally Enforceable Through Title V]
- 8. For PSD purposes, the NMOC emission rate shall be estimated and compared to the PSD major source and significance levels in 40 CFR 51.166 or 52.21, using AP-42 or EPA-approved procedures. [40 CFR 60.754(c)], [Federally Enforceable Through Title V]
- g. The NMOC emission rate shall be recalculated and reported to the APCO annually, except as otherwise provided in this permit, until such time as the calculated NMOC emission rate is equal to or greater than 44 tons/year and a collection and control system is installed or until the landfill is closed. [40 CFR 60.752(b)(1), 60.754(a) and 60.757(b); District NSR Rule], [Federally Enforceable Through Title V]

- 10. If the NMOC emission rate, as reported in the annual report is less than 44 tons/year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual reports for those 5 years. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years. All data and calculations upon which this estimate is based shall be provided to the APCO. This estimate shall be revised at least once every 5 years. [40 CFR 60.757(b)(1)(ii); District NSR Rule], [Federally Enforceable Through Title V]
- 11. If the actual waste acceptance rate exceeds the estimated rate used in any year reported in a 5-year estimate of the NMOC emission rate, then a revised 5-year estimate shall be submitted to the APCO. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated acceptance rate. [40 CFR 60.757(b)(1)(ii)], [Federally Enforceable Through Title VI
- 12. The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. [40 CFR 60.757(b)(2)], [Federally Enforceable Through Title V]
- 13. If the owner or operator elects to recalculate the NMOC emission rate using Tier 2 specifications and the resulting NMOC emission rate is less than 44 tons/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 2 specifications, shall be submitted within 180 days of the first Tier 1 calculated exceedance of 44 tons/year. [40 CFR 60.757(c)(1); District NSR Rule], [Federally Enforceable Through Title V]
- 14. If the owner or operator elects to recalculate the NMOC emission rate using Tier 3 specifications and the resulting NMOC emission rate is less than 44 tons/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 3 specifications, shall be submitted within 1 year of the first Tier 1 calculated exceedance of 44 tons/year. [40 CFR 60.757(c)(2); District NSR Rule], [Federally Enforceable Through Title V]
- 15. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a) and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
- 16. This operating permit may be cancelled with APCO approval when the landfill is closed, pursuant to the requirements of this permit, if the landfill is not otherwise subject to the requirements of either 40 CFR part 70 or part 71 and if either 1) it was never subject to the requirement for a control system under 40 CFR 60.752(b)(2); or 2) the owner or operator meets the conditions for control system removal specified in 40 CFR 60.752(b)(2)(v). [40 CFR 60.752(d)], [Federally Enforceable Through Title V]
- 17. If the landfill is permanently closed, a closure notification shall be submitted to the APCO within 30 days of waste disposal cessation. A permanent closure must take place in accordance with 40 CFR 258.60. If a closure report has been submitted, no additional waste may be placed in the landfill without filing a notification of modification to the APCO, pursuant to 40 CFR 60.7(a)(4). [40 CFR 60.752(b)(1)(ii)(B), 60.757(d)], [Federally Enforceable Through Title V]
- 18. If the calculated NMOC is equal to or greater than 44 tons/year, the owner or operator shall install a collection and control system, that effectively captures the gas generated within the landfill, within 30 months of that determination. This operating permit must be modified accordingly to show compliance with 40 CFR 62, Subpart GGG requirements applicable to a MSWL with a collection and control system. [40 CFR 60.752(b)(2)(ii), 60.753, 60.755 and 60.756; District NSR Rule], [Federally Enforceable Through Title V]
- 19. If a gas collection and control system is installed, it shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758 and 60.759], [Federally Enforceable Through Title V]
- 20. Total combined Class II/III waste material and Class II soil acceptance rate shall not exceed 1400 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 21. Total Class II soil acceptance rate shall not exceed 600 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 22. Total clean (non-contaminated) soil cover usage rate shall not exceed 400 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
- 23. Total PM10 emissions from handling of Class II/III waste material and soil cover shall not exceed 0.000454 pounds per ton material received. [District NSR Rule], [Federally Enforceable Through Title V]
- 24. The acceptance and stockpiling of Class II soil for use as a daily cover material shall comply with the requirements of Rule 4651 (12/17/92). Class II soils with organic content over 50 ppm by weight shall not be used as daily cover material for landfilled Class II soils. [District Rule 4651, 5.2.1.3], [Federally Enforceable Through Title V]
- 25. Maximum VOC contamination level in Class II soil used as daily cover shall not exceed 500 parts per million by weight, as determined by the methods described in Rule 4651 (12/17/92). [District NSR Rule], [Federally Enforceable Through Title V]
- 26. The facility's daily soil receiving rate shall be governed by the following equation: the sum, a/120 + b/600, shall not exceed 1 (one); where a = number of cubic yards of soil received with a VOC content between 101 and 500 ppmv, and b = number of yards of soil received with a VOC content between 51 and 100 ppmv. [District NSR Rule], [Federally Enforceable Through Title V]

- 27. The organic content of all Class II cover soil shall be sampled and tested using the methods specified in Rule 4651 (12/17/92). When such testing is performed by the customer, the customer must certify that the sampling and analysis were performed according to the methods in Rule 4651 (12/17/92). [District NSR Rule], [Federally Enforceable Through Title V]
- 28. Daily records of the weight of materials received (tons) including Class II/III waste material, Class II soil cover, and clean soil cover and daily records of all soil organic content test results and certifications, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 29. Daily records of quantity (cubic yards) and organic content of the soils accepted for stockpiling and use in the landfill shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
- 30. The District shall be notified in writing ten days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
- 31. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District NSR Rule], [Federally Enforceable Through Title V]
- 32. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District NSR Rule], [Federally Enforceable Through Title V]
- 33. Vehicle speeds on all on-site roads shall be limited to fifteen miles per hour. [District NSR Rule], [Federally Enforceable Through Title V]
- 34. Materials handling operations associated with landfill construction and operation shall be curtailed when wind and moisture conditions make it likely that any resulting visible emissions will exceed 40% opacity at an elevation of 25 feet. [District NSR Rule], [Federally Enforceable Through Title V]